Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/27/2021 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124833	-1	1.07	124754	1.05
Blue	F	SSC	125000	125291	0	2.28	125682	2.15
Blue	E	FITC	13131	12846	-3	2.11	295	15.04
Blue	D	PE	24112	23768	-2	1.51	546	10.45
Blue	B	PerCP-Cy5-5	31295	30903	-2	2.87	1021	14.49
Blue	A	PE-Cy7	19939	19366	-3	5.12	515	28.75
Red	C	APC	42122	41434	-2	2.86	1737	11.24
Red	A	APC-Cy7	22340	21654	-4	3.21	810	11.59
Violet	B	V450	7410	7111	-5	3.34	433	12.24
Violet	A	V500	28118	27245	-4	2.93	680	10.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22962	1.05	566	-3	N/A	N/A	Pass
Blue	F	SSC	58478	0.93	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0474	159	Pass
Blue	D	PE	115	36.61	487	-1	0.4781	367	Pass
Blue	B	PerCP-Cy5-5	189	35.67	584	-2	0.0198	59	Pass
Blue	A	PE-Cy7	104	69.05	624	-4	0.0232	11	Pass
Red	C	APC	402	23.36	578	2	0.0285	152	Pass
Red	A	APC-Cy7	182	27.68	552	1	0.0064	1252	Pass
Violet	B	V450	61	64.25	458	5	0.0744	3040	Pass
Violet	A	V500	99	36.68	470	5	0.0256	1213	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.69	-31.53	1.02
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.48	13.60 - 20.40	N/A	N/A	29.89	30.12	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10667

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments